

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090123\
 Data File : VX037464.D
 Acq On : 01 Sep 2023 14:56
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Sep 02 04:27:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

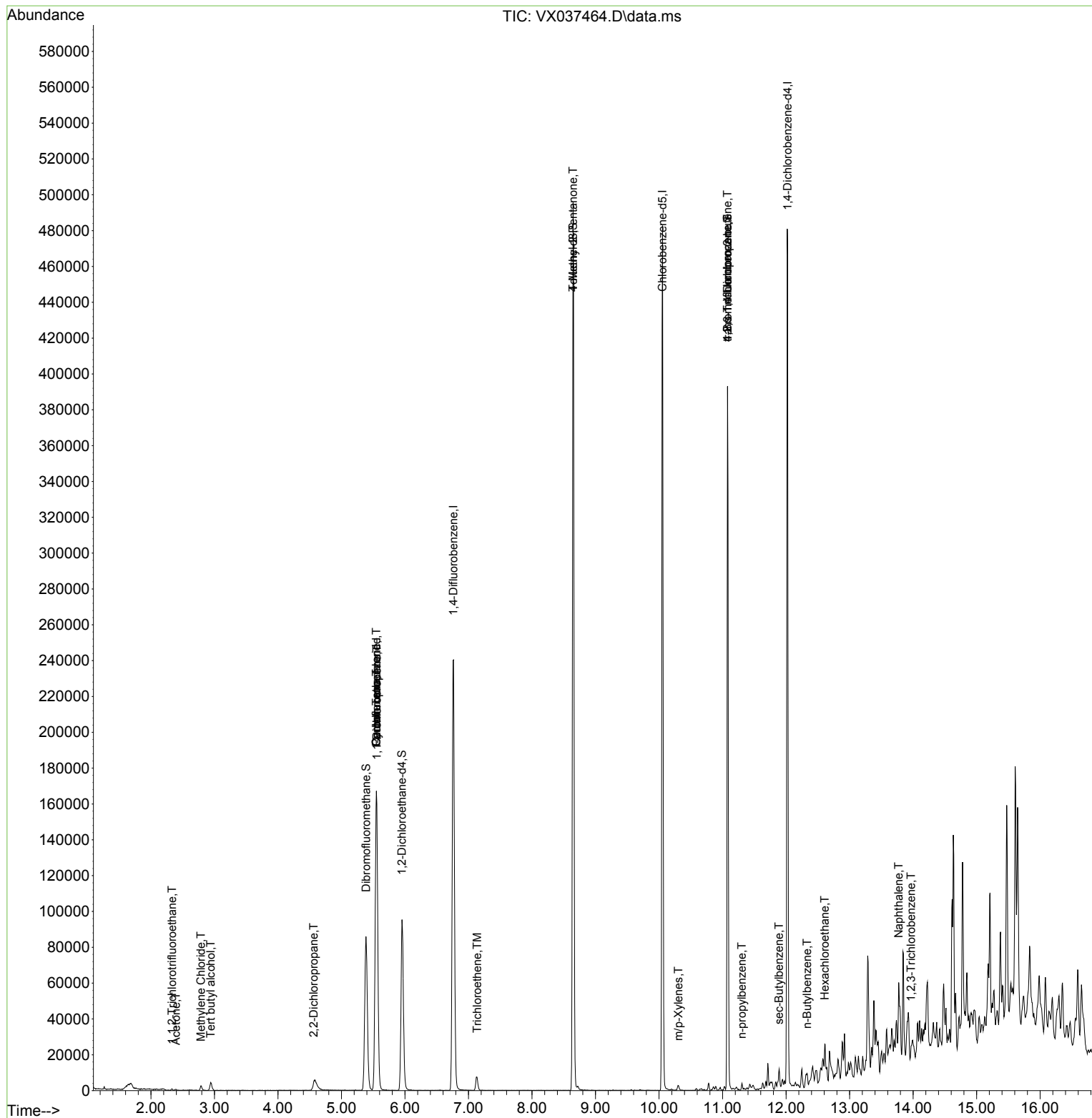
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	161136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263355	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91583	39.423	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	78.840%
35) Dibromofluoromethane	5.385	113	77359	44.354	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.700%
50) Toluene-d8	8.647	98	306729	48.482	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.960%
62) 4-Bromofluorobenzene	11.079	95	111546	44.865	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.720%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	360	0.211	ug/l #	87
11) Tert butyl alcohol	2.940	59	2544	4.668	ug/l #	78
16) Acetone	2.392	43	722	0.794	ug/l #	48
20) Methylene Chloride	2.788	84	1530	0.753	ug/l #	66
26) 2,2-Dichloropropane	4.562	77	598	0.203	ug/l #	54
31) Cyclohexane	5.550	56	2847	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	12078	4.874	ug/l #	42
38) Carbon Tetrachloride	5.550	117	17147	6.370	ug/l #	16
44) Trichloroethene	7.135	130	3476	1.725	ug/l	87
51) 4-Methyl-2-Pentanone	8.647	43	1051	0.431	ug/l #	1
68) m/p-Xylenes	10.305	106	714	0.216	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	53779	23.822	ug/l #	39
78) n-propylbenzene	11.305	91	2589	0.302	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	53779	66.536	ug/l #	5
85) sec-Butylbenzene	11.890	105	2724	0.380	ug/l	79
89) n-Butylbenzene	12.329	91	2962	0.580	ug/l	84
90) Hexachloroethane	12.609	117	1050	1.021	ug/l #	17
95) Naphthalene	13.774	128	30066	3.400	ug/l	96
96) 1,2,3-Trichlorobenzene	13.969	180	623	0.311	ug/l #	1

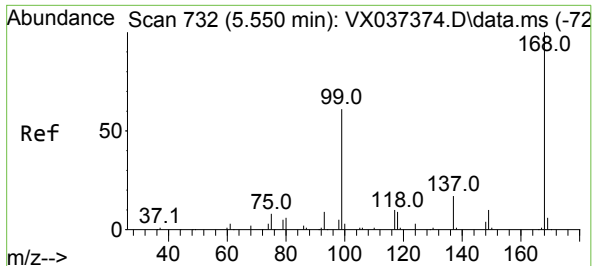
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 02 04:27:52 2023
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Quant Title : SW846 8260
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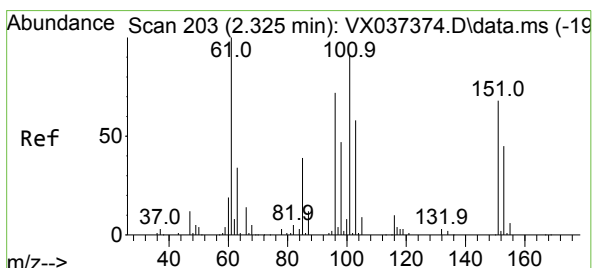
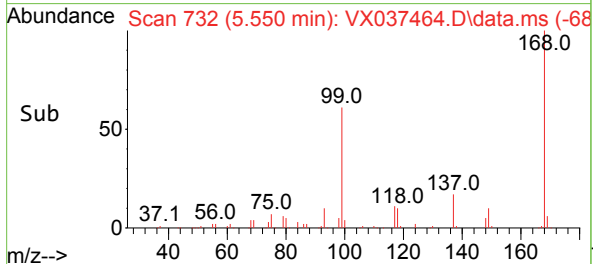
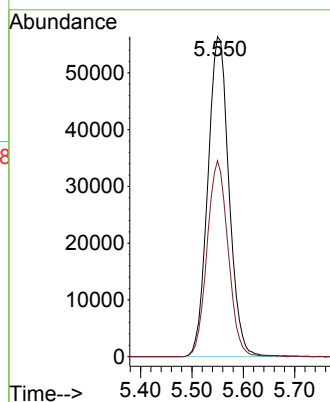
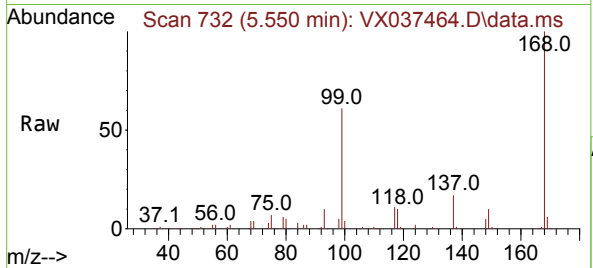




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

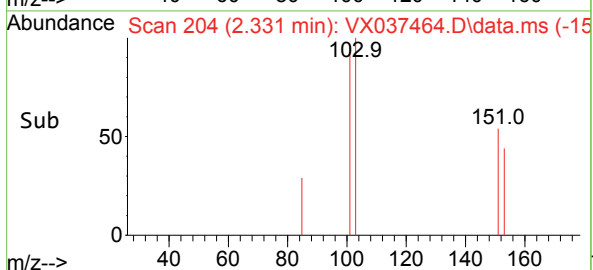
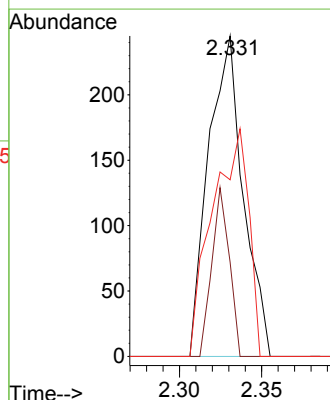
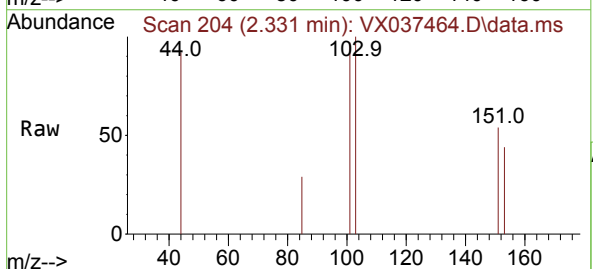
Instrument :
MSVOA_X
ClientSampleId :
IBLK

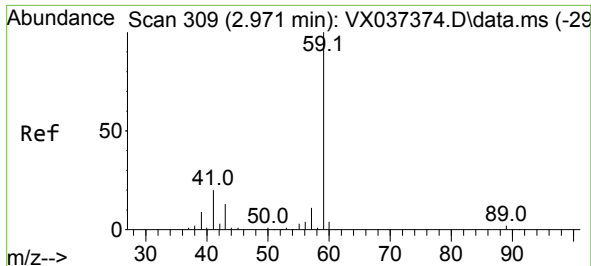
Tgt Ion:168 Resp: 161136
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.211 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

Tgt Ion:101 Resp: 360
Ion Ratio Lower Upper
101 100
85 26.4 37.0 55.6#
151 74.4 58.6 87.8

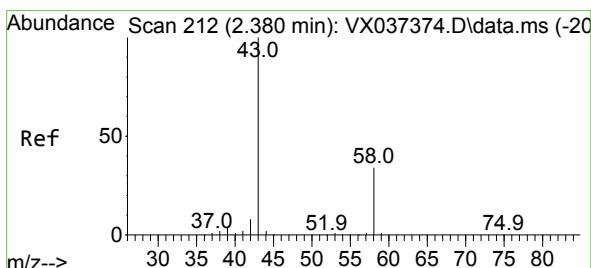
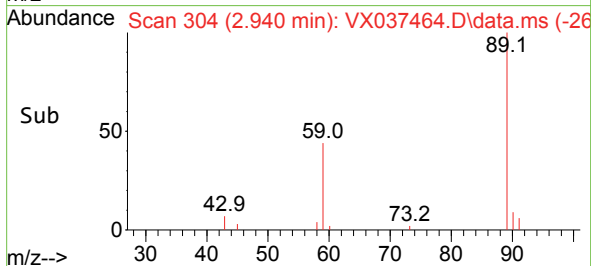
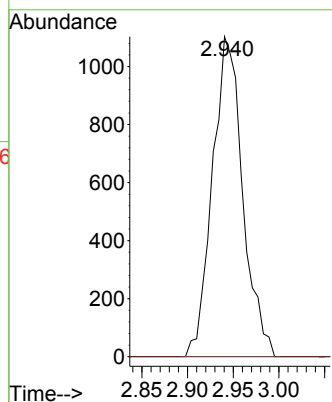
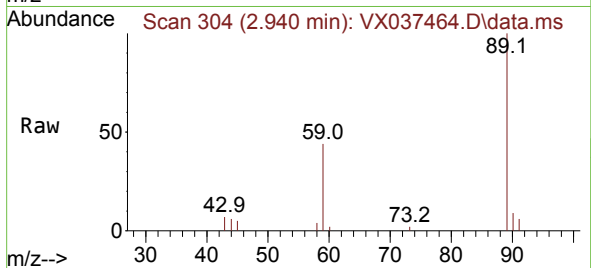




#11
Tert butyl alcohol
Concen: 4.668 ug/l
RT: 2.940 min Scan# 309
Delta R.T. -0.037 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

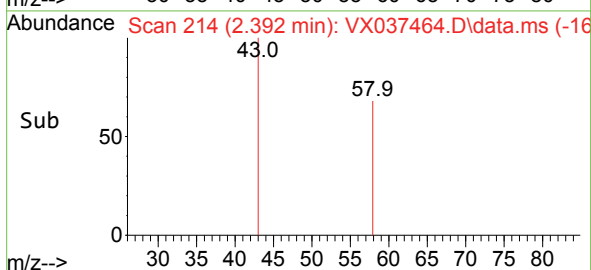
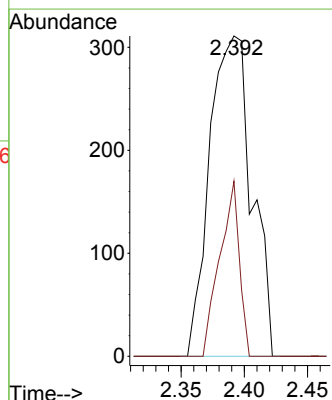
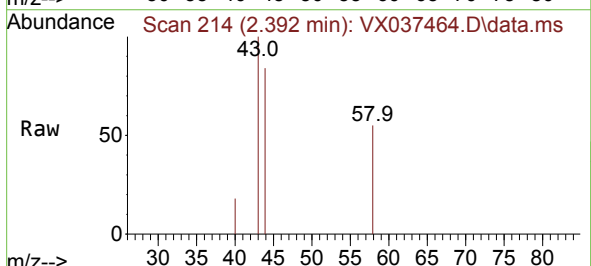
Instrument :
MSVOA_X
ClientSampleId :
IBLK

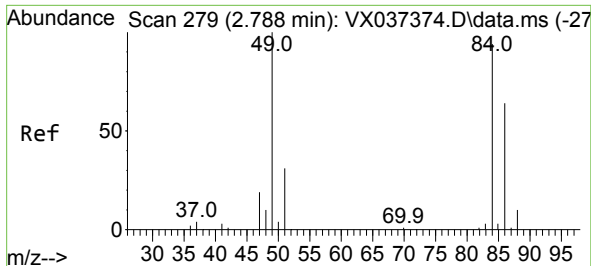
Tgt Ion: 59 Resp: 2544
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 0.794 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 54.7 21.9 32.9#

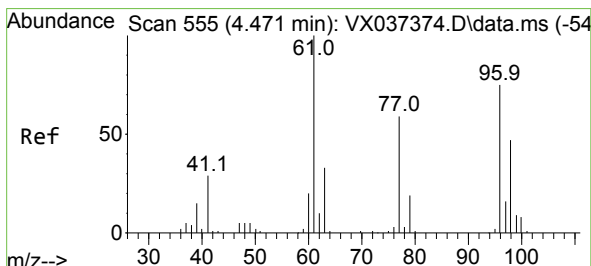
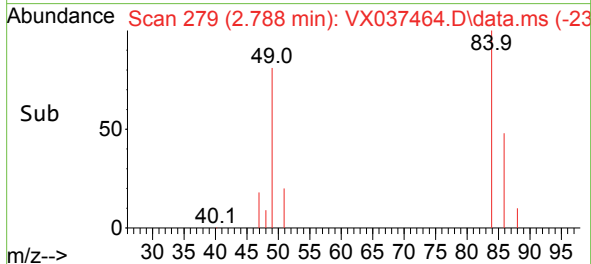
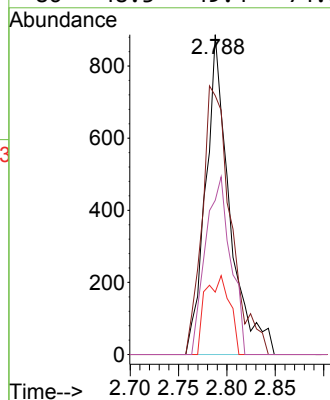
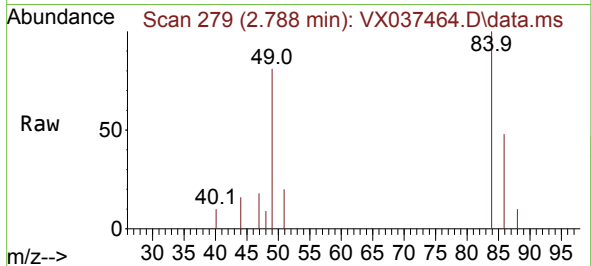




#20
Methylene Chloride
Concen: 0.753 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

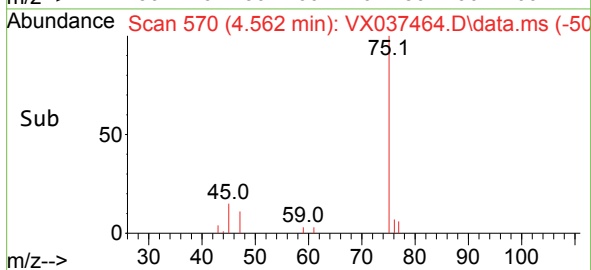
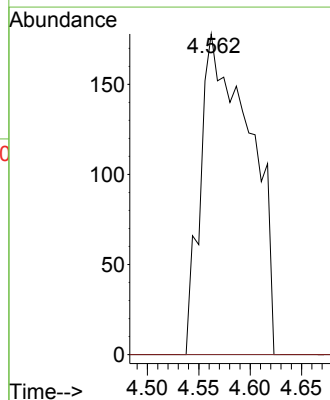
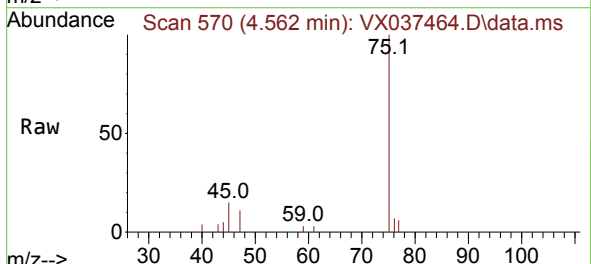
Instrument :
MSVOA_X
ClientSampleId :
IBLK

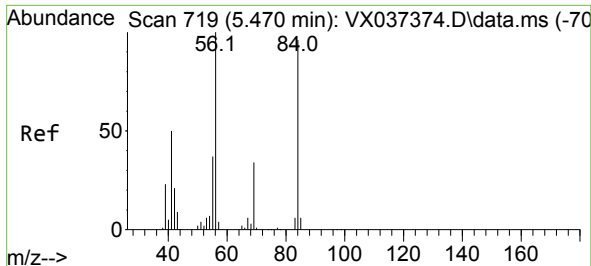
Tgt Ion:	84	Resp:	1530
Ion	Ratio	Lower	Upper
84	100		
49	80.9	103.6	155.4#
51	19.5	33.8	50.6#
86	48.3	49.4	74.0#



#26
2,2-Dichloropropane
Concen: 0.203 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.085 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

Tgt Ion:	77	Resp:	598
Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.8	32.3#

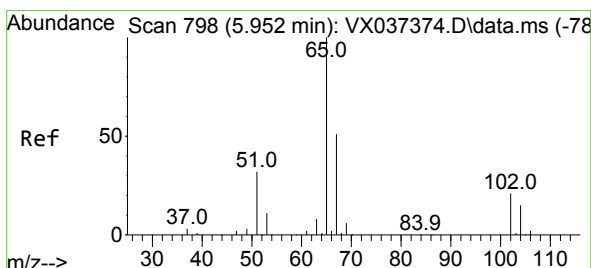
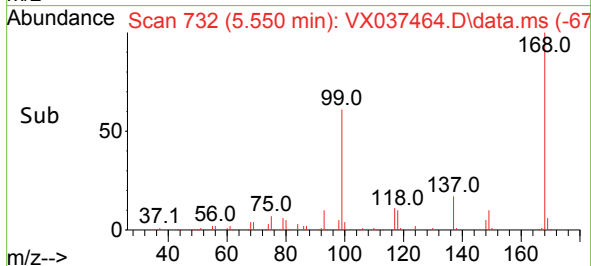
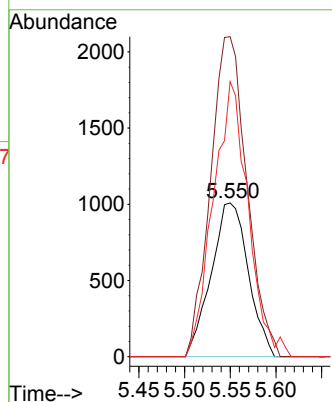
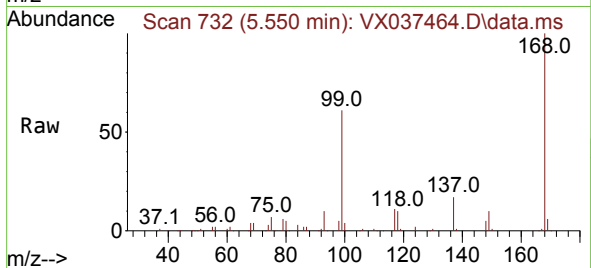




#31
Cyclohexane
Concen: 1.090 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

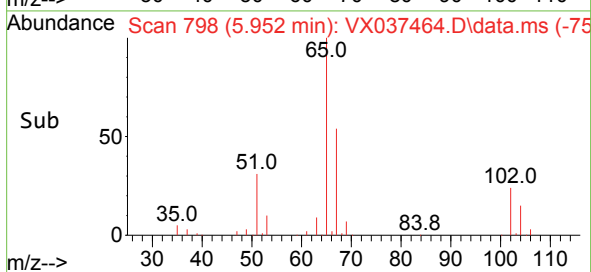
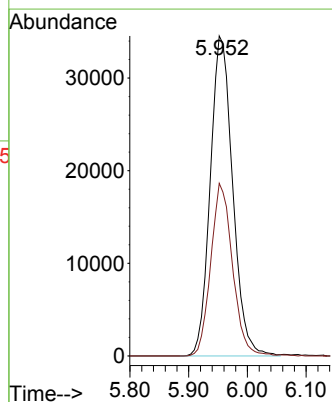
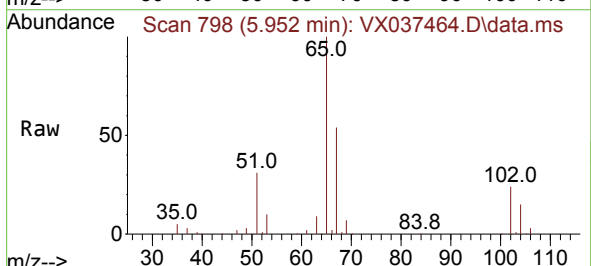
Instrument :
MSVOA_X
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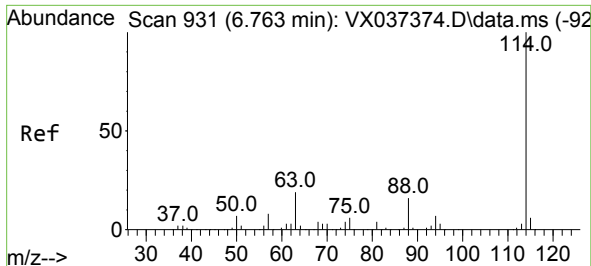
Tgt Ion: 56 Resp: 2847
Ion Ratio Lower Upper
56 100
69 208.1 23.4 35.2#
84 178.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 39.423 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

Tgt Ion: 65 Resp: 91583
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2

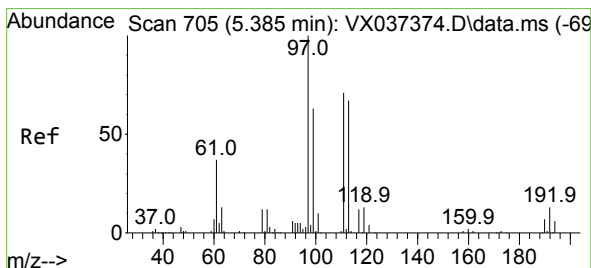
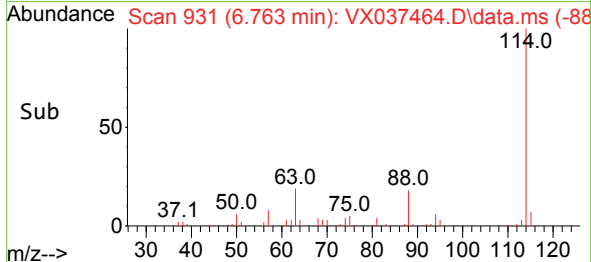
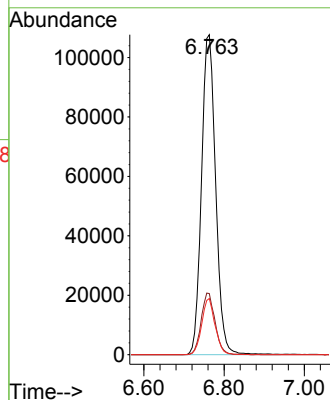
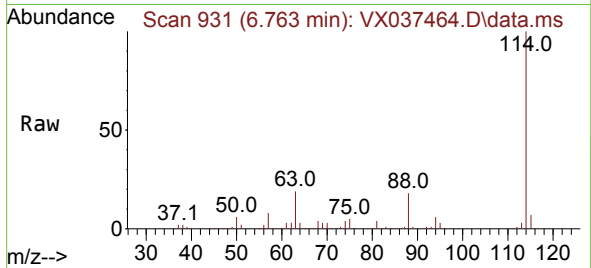




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

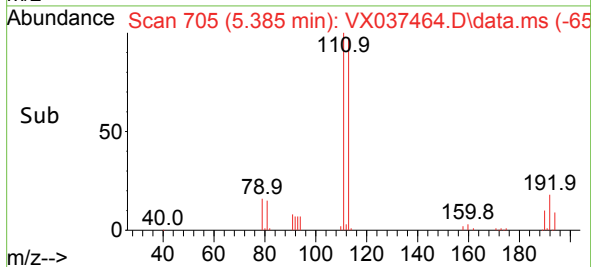
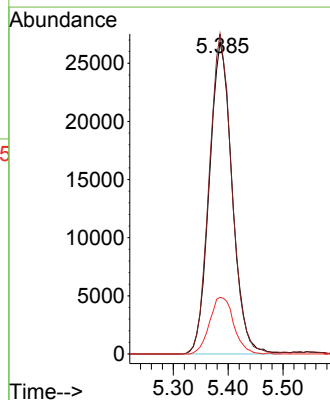
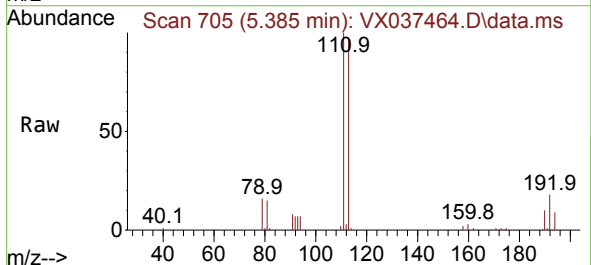
Instrument :
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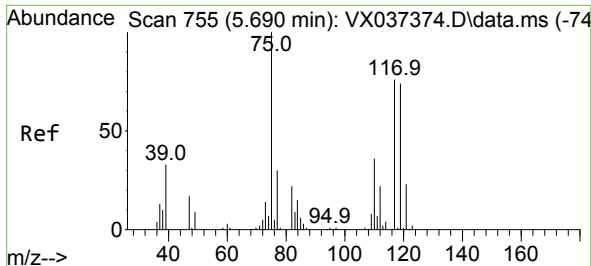
Tgt Ion:114 Resp: 263355
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 17.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.354 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

Tgt Ion:113 Resp: 77359
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 19.2 13.3 19.9

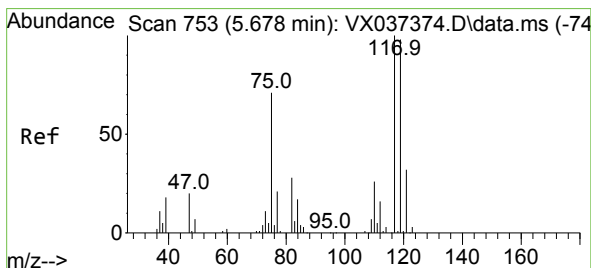
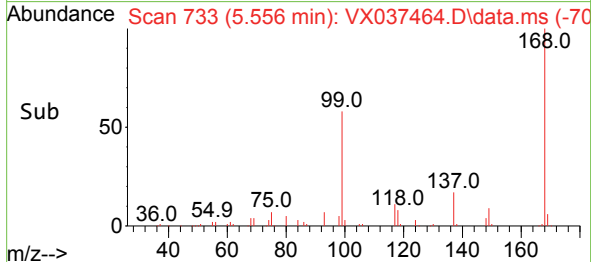
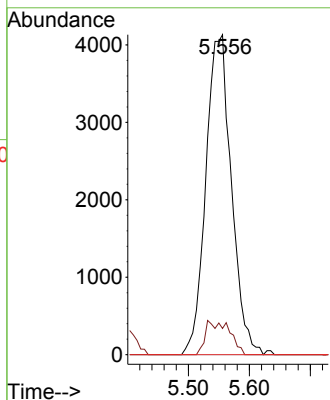
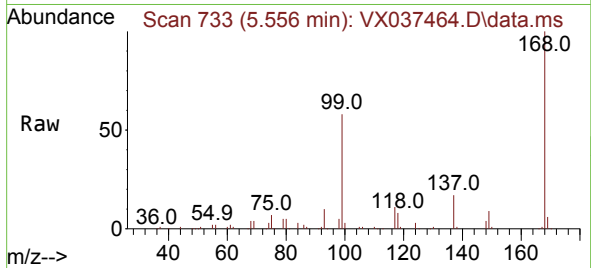




#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

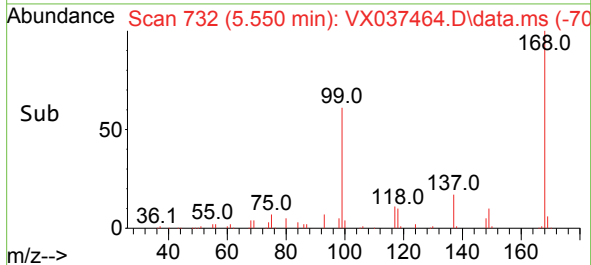
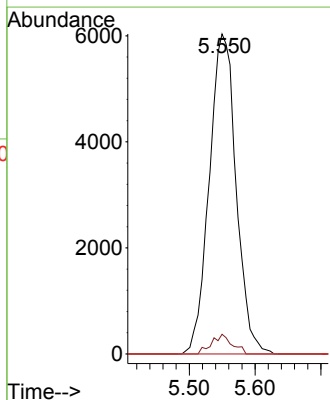
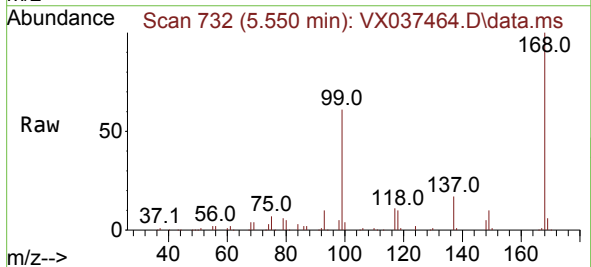
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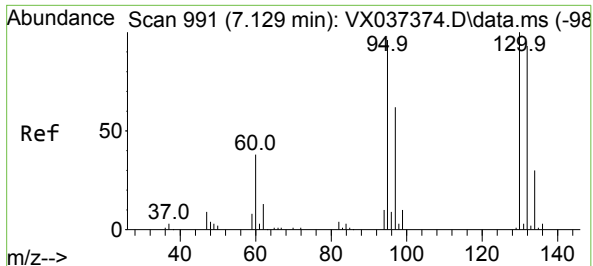
Tgt Ion: 75 Resp: 12078
Ion Ratio Lower Upper
75 100
110 0.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.370 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

Tgt Ion: 117 Resp: 17147
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#

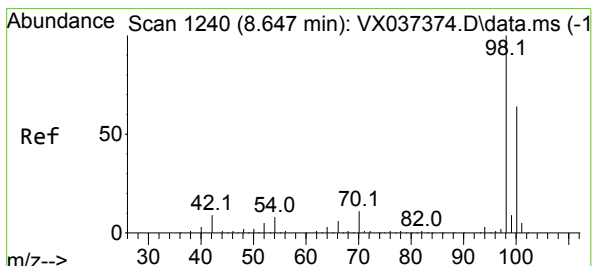
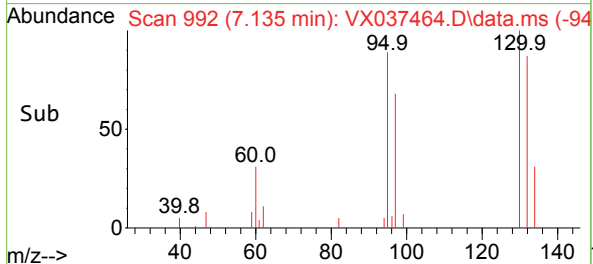
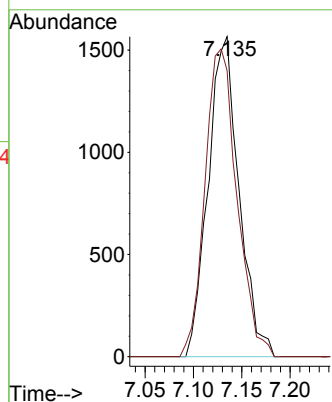
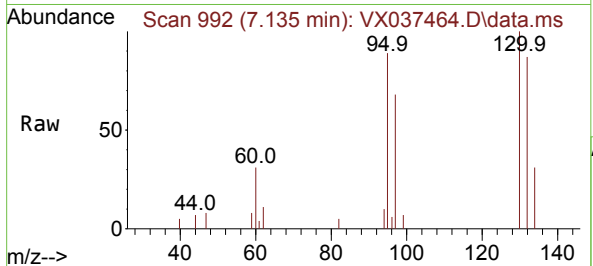




#44
Trichloroethene
Concen: 1.725 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

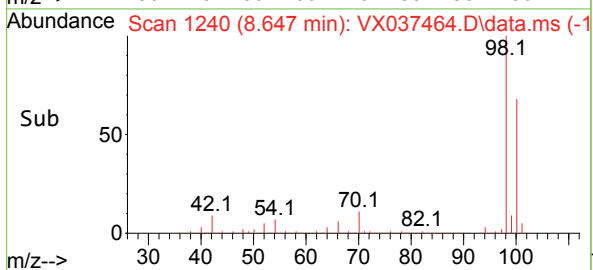
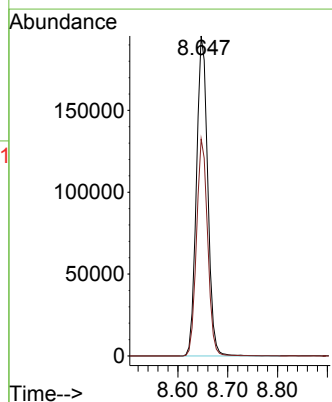
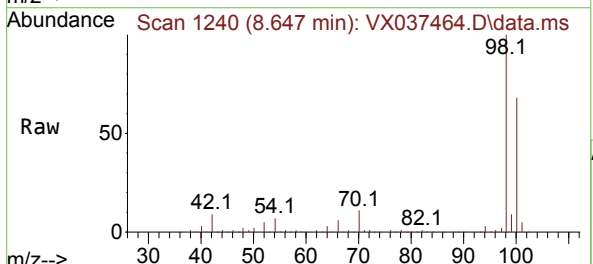
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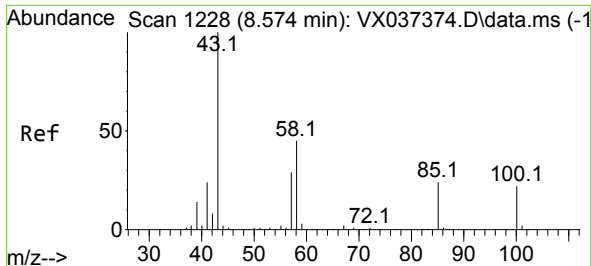
Tgt Ion:130 Resp: 3476
Ion Ratio Lower Upper
130 100
95 89.5 0.0 204.4



#50
Toluene-d8
Concen: 48.482 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

Tgt Ion: 98 Resp: 306729
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7

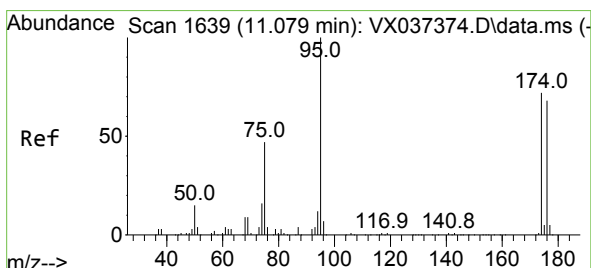
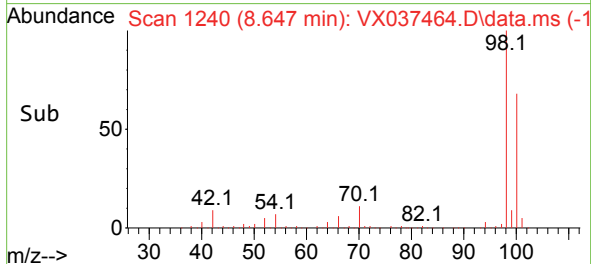
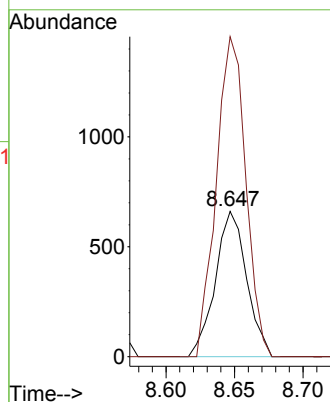
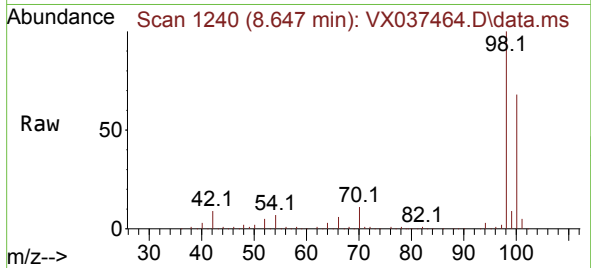




#51
4-Methyl-2-Pentanone
Concen: 0.431 ug/l
RT: 8.647 min Scan# 1133
Delta R.T. 0.073 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

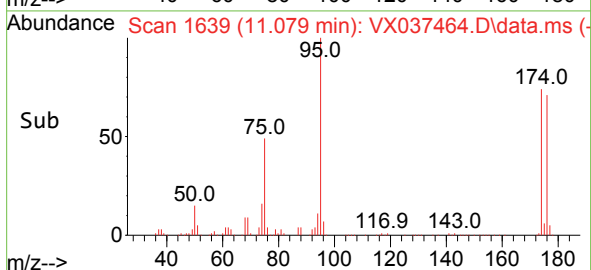
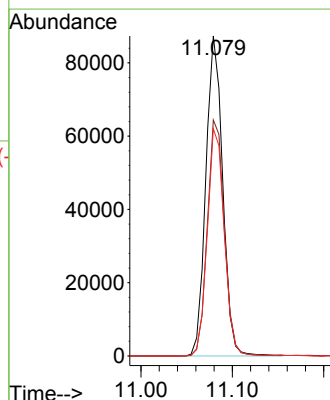
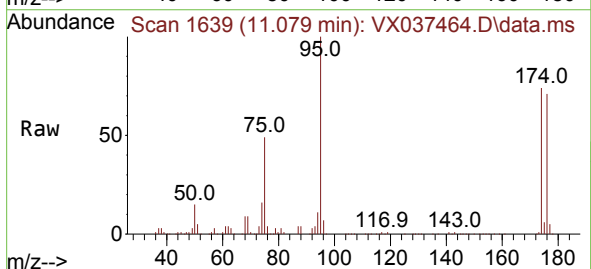
Instrument :
MSVOA_X
ClientSampleId :
IBLK

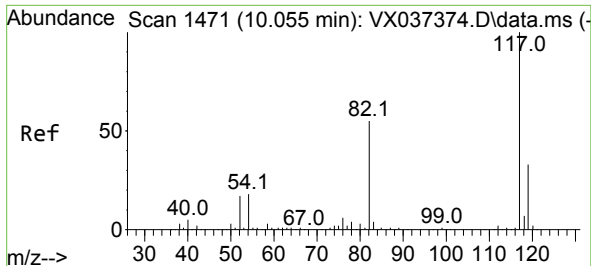
Tgt Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
58 207.7 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 44.865 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

Tgt Ion: 95 Resp: 111546
Ion Ratio Lower Upper
95 100
174 74.3 0.0 135.6
176 71.2 0.0 131.0

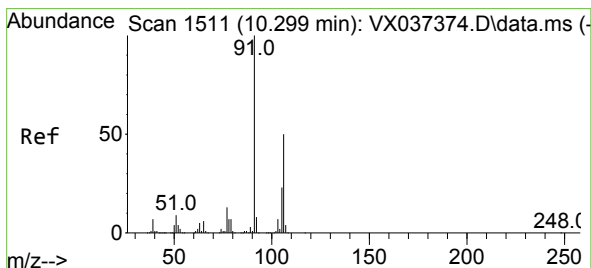
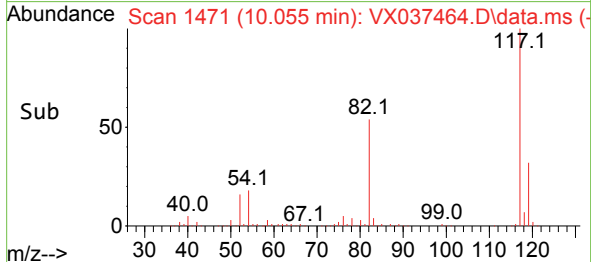
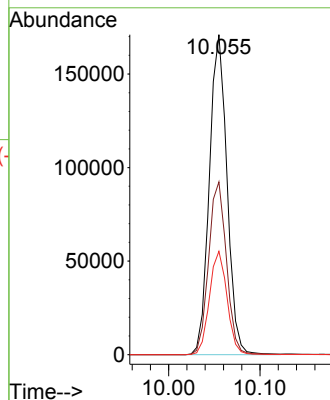
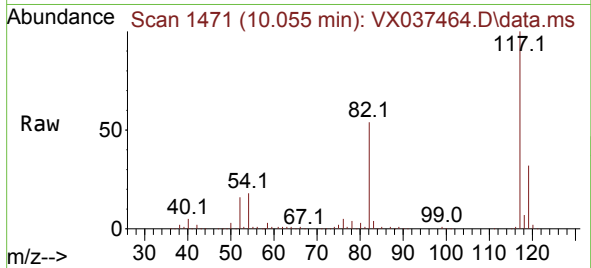




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

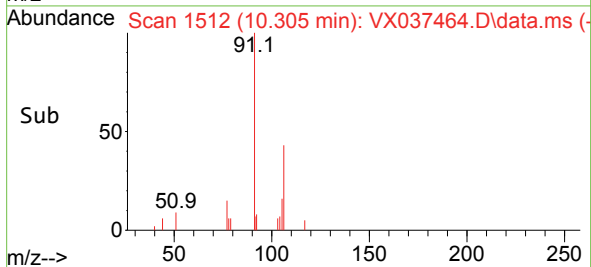
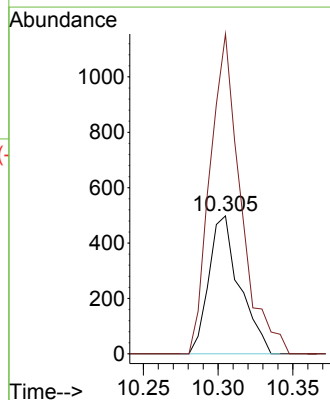
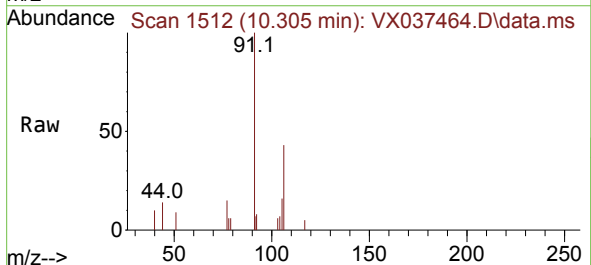
Instrument :
MSVOA_X
ClientSampleId :
IBLK

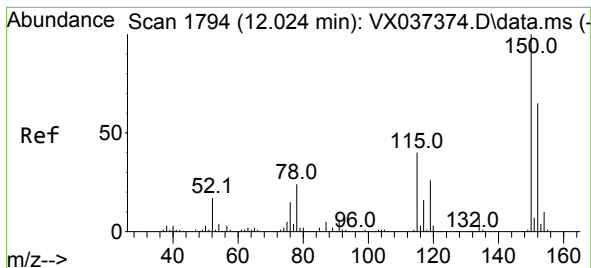
Tgt Ion:117 Resp: 229927
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.216 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037464.D
Acq: 01 Sep 2023 14:56

Tgt Ion:106 Resp: 714
Ion Ratio Lower Upper
106 100
91 230.5 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037464.D

Acq: 01 Sep 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

IBLK

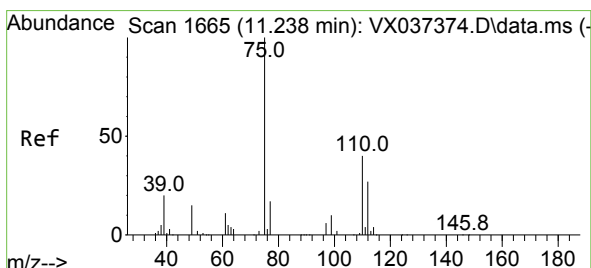
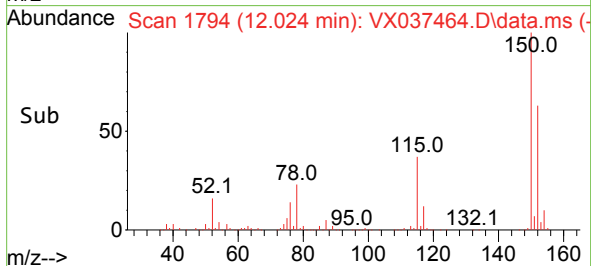
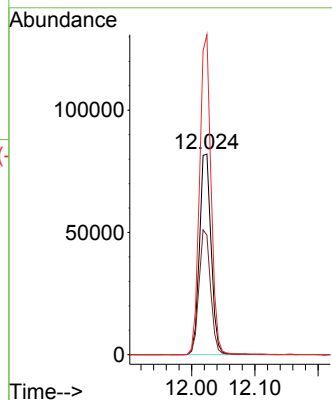
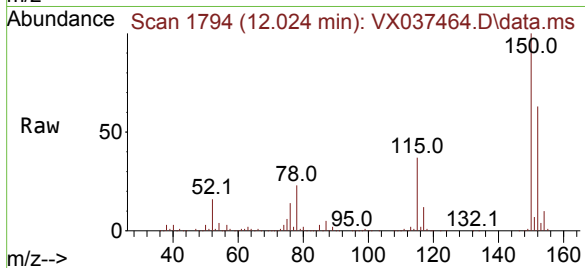
Tgt Ion:152 Resp: 106004

Ion Ratio Lower Upper

152 100

115 61.7 43.3 129.9

150 156.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.822 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037464.D

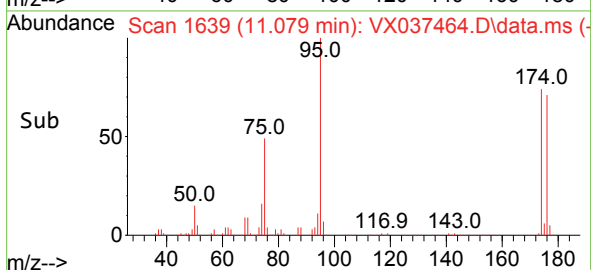
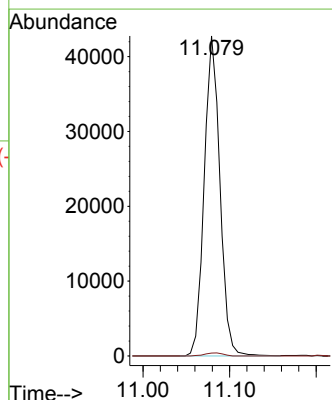
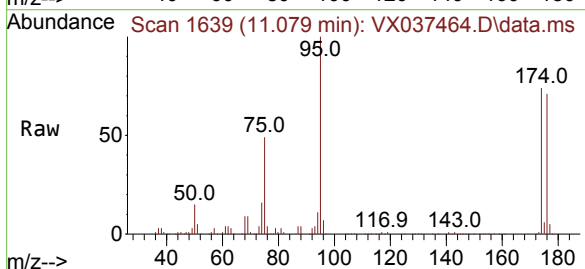
Acq: 01 Sep 2023 14:56

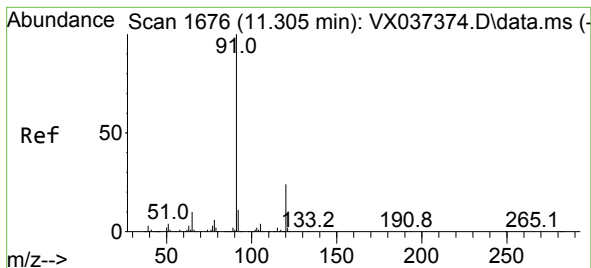
Tgt Ion: 75 Resp: 53779

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#78

n-propylbenzene

Concen: 0.302 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037464.D

Acq: 01 Sep 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

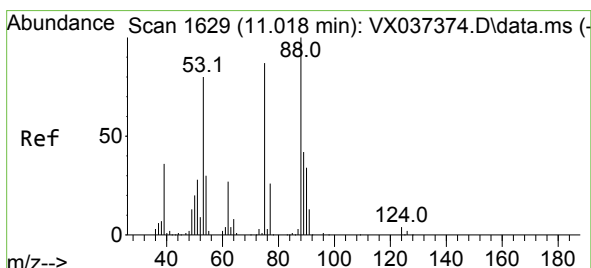
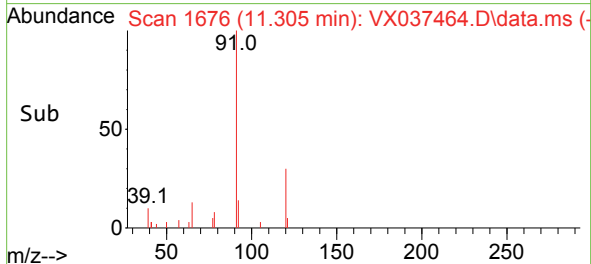
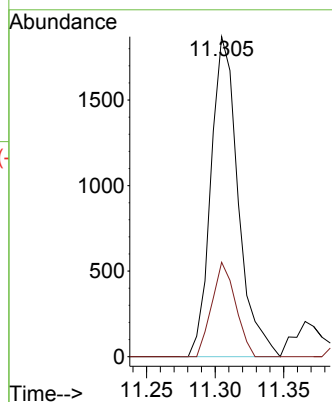
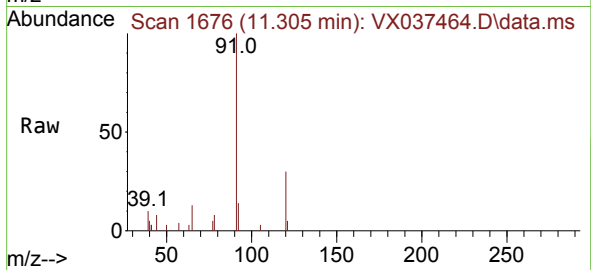
IBLK

Tgt Ion: 91 Resp: 2589

Ion Ratio Lower Upper

91 100

120 25.7 11.5 34.4



#81

trans-1,4-Dichloro-2-butene

Concen: 66.536 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037464.D

Acq: 01 Sep 2023 14:56

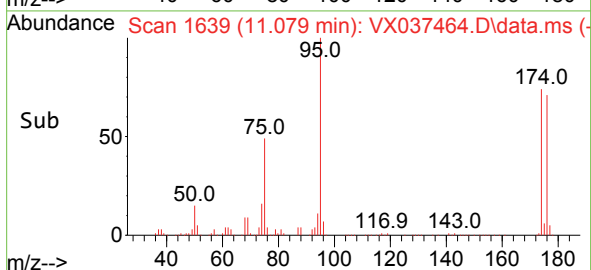
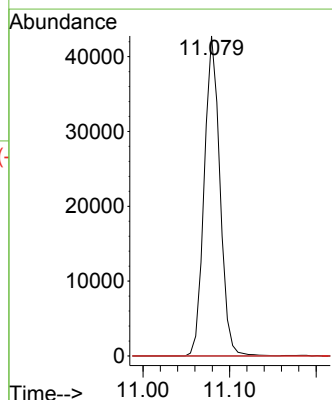
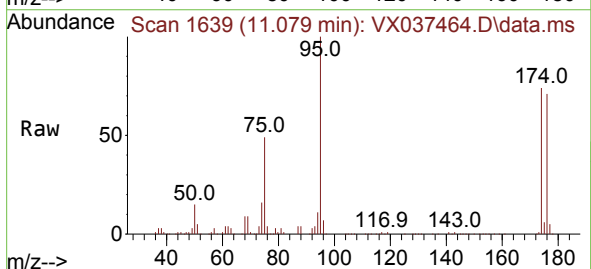
Tgt Ion: 75 Resp: 53779

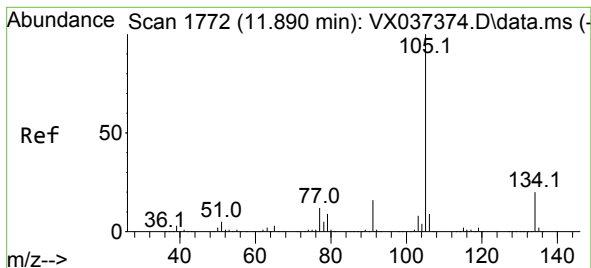
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#85

sec-Butylbenzene

Concen: 0.380 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037464.D

Acq: 01 Sep 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

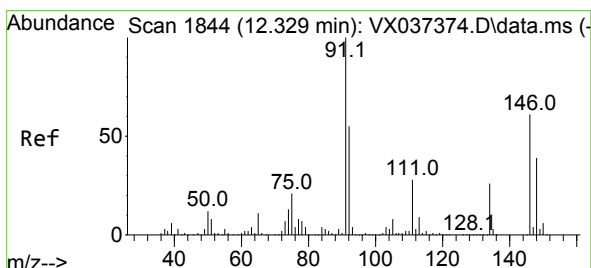
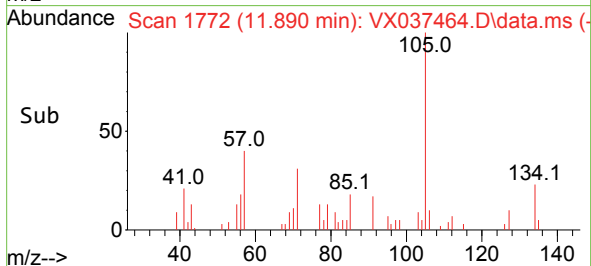
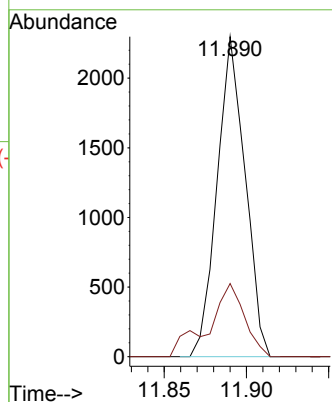
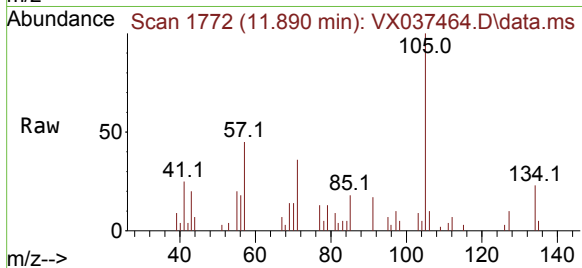
IBLK

Tgt Ion:105 Resp: 2724

Ion Ratio Lower Upper

105 100

134 29.3 9.8 29.4



#89

n-Butylbenzene

Concen: 0.580 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX037464.D

Acq: 01 Sep 2023 14:56

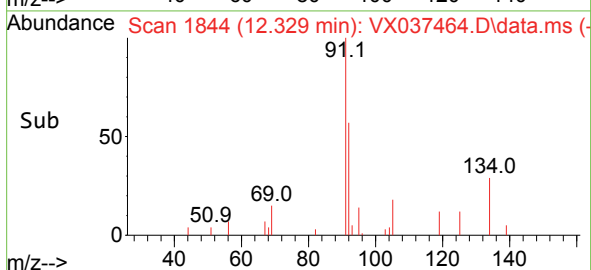
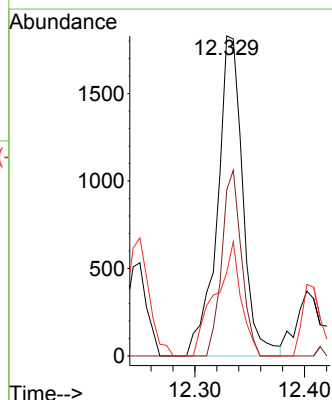
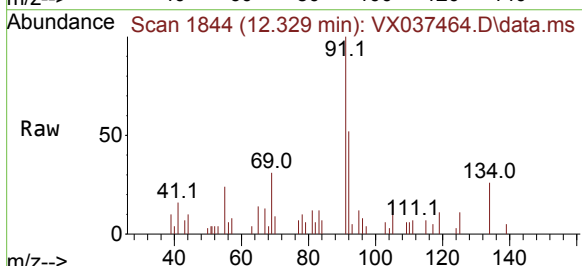
Tgt Ion: 91 Resp: 2962

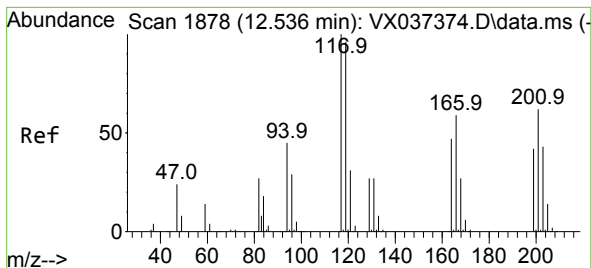
Ion Ratio Lower Upper

91 100

92 44.7 27.4 82.0

134 35.8 12.6 37.8





#90

Hexachloroethane

Concen: 1.021 ug/l

RT: 12.609 min Scan# 1878

Delta R.T. 0.073 min

Lab File: VX037464.D

Acq: 01 Sep 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

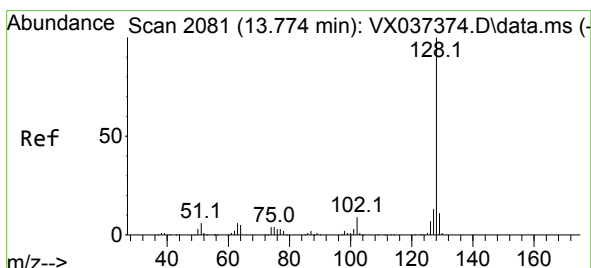
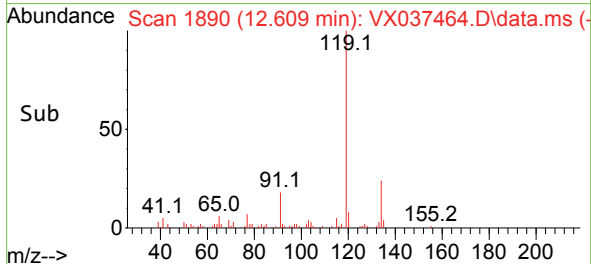
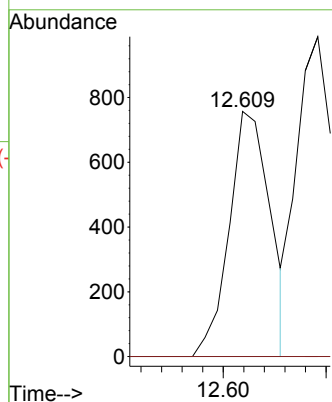
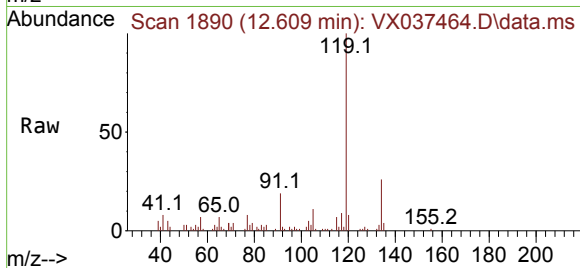
IBLK

Tgt Ion:117 Resp: 1050

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#95

Naphthalene

Concen: 3.400 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037464.D

Acq: 01 Sep 2023 14:56

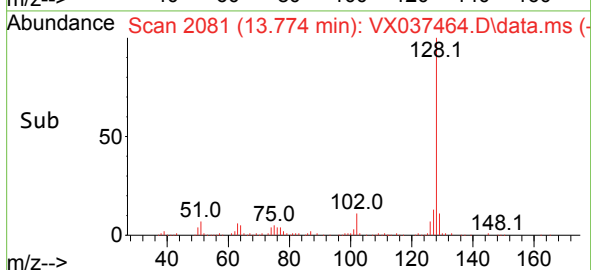
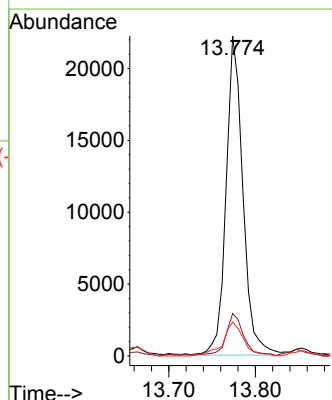
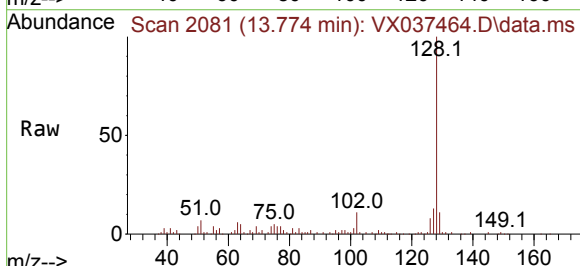
Tgt Ion:128 Resp: 30066

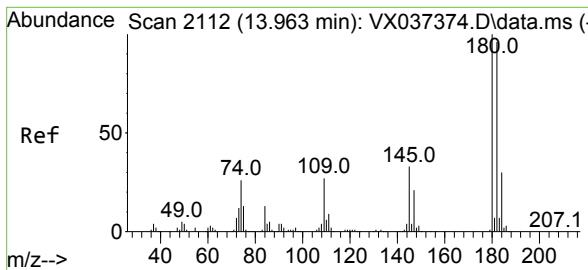
Ion Ratio Lower Upper

128 100

127 14.2 10.3 15.5

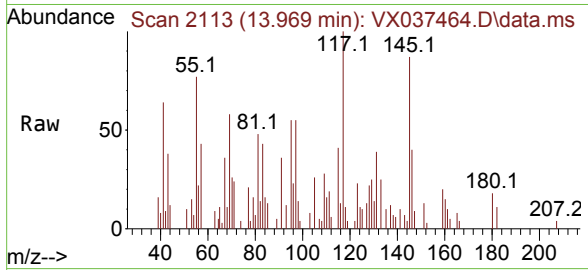
129 13.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.311 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX037464.D
 Acq: 01 Sep 2023 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:180 Resp: 623
 Ion Ratio Lower Upper
 180 100
 182 37.2 46.9 140.6#
 145 266.3 17.8 53.5#

